naturiche Celuloselasem - St. 1888 inaural cellulose dibres a

· 14. 马克勒科



physiologically harmiess BEST AVAILABLE CO

szug aus dem Lieferp amples of our Produc	rogramm t Range	4/800E1	ARBOCEL BEECEL	ARBOCEL BE ESCEL	ARBOCEL BEECEL	480CEL	ARBOCEL BEOCEL	ARBOCEL BWW	4RBOCEL	480CEL	4780CEL
Farbe		weuß	weiß	weiß	weiß	weiß	weiß	weß	wei3	weiß	weiß
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Struktur Structure		Mikrofaser microfore	Mikrofaser	Mikrciaser + croficre	Mikrofaser	Kurziaser anortifore	Kurzfaser soon fore	mitelange Faser medum fore	mitelange Faser medium figne	Langfaser ong fibre	Langfaser ong fibre
duransann. Faserlänge 4: erage ribre length		·e	23	30	±0		120	200	300	-oo	900
durchschn. Faserdurchmesser 4 verage fibre diameter	:s: (191)	:5	17	13 -	20	20	20	29	20	20	20
Cellulosegehalt Cellulose Content	Einhelf	- 39 .5	~ 39.5	- 99.5	~ 98.5	~ 39.5	- 99 .5	- 39 .5	- 30 .5	- 39.5	~ 39.5
Glührückstand (850° C'4h) Residue on ignition (850° C'4h)	÷ :	- 0.3	~ 0.3	~ 0.3	~1.0	- 0.3	~ 0.3	÷0.3	- 0.3	- 0.3	- 0.3
pH - Wert		6±1	5±1	6±1	7±1	6=1	6±1	6=1	6±1	6±1	6±1
Schüttgewicht Bulk density	è	· 160 -	210 - 270	200 260	190 - 250	180 - 220	150 - 180	110 - 145	60°- 30	30 - 45	1 0 50 -
ebanalyse * max. Siel eve Analysis * sieve r	orückstand esidue in	d in Gew weight %	ichts %		-						
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	200 um					0.5	0.5				
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* mit Luftstrahlsieo * :vrith air jet sieve	500 µm						····			-	

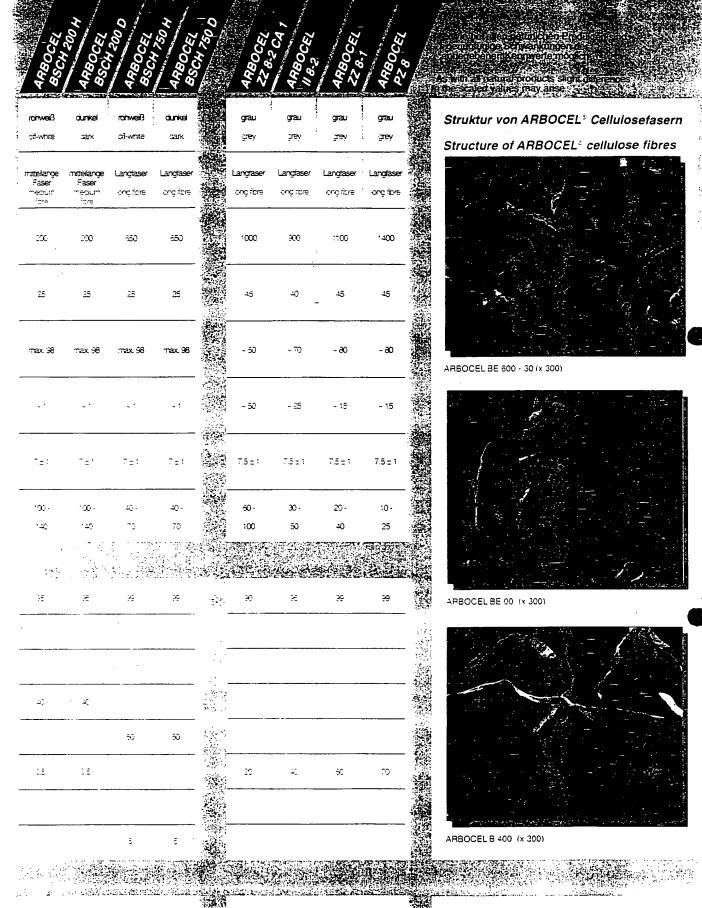
Rohstoff Raw material Laubholzcellulose leafwood cellulose

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Laubhoizcellulose leafwood cellulose

Weichholzcellulose softwood celiulose

Technische Cellulose technical cellulose



Baumwolicellulose cotton cellulose

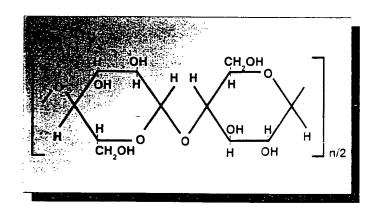
Technische Rohcellulose technical raw cellulose Cellulose CAS - No. 9004-34-6

natürliche Cellulosefasern

• Chemische Summenformel: (C₆H₁₀O₅)n n = ca. 1000

natural cellulose fibres

• empirical formula: (C_aH.₁O_a)n n = approx. 1000



- Weiche, elastische Einzelfasern
- Reaktionsträge
- Unterschied der einzelnen Qualitäten:

in den eingesetzten Rohstoffen

in der Faserlänge

in der Faserdicke

in der Reinheit

- Unlöslich in Wasser und organischen Lösungsmitteln
- *Dichte:* 1.5 g/cm³
- Verbunddichte ca. 1.1 1.3 g/cm³
- Temperaturbeständig bis ca. 180° C
- Gleichgewichtsfeuchte ca. 10 12 % bei 20° C und ca. 65 % rel. Luftfeuchte
- Hydrophil
- Lipophil
- Wirkungsweise:

verdickend und armierend 2 - 7 faches Flüssigkeitsaufnahmevermögen des eigenen Gewichtes

• Einsatzmöglichkeiten:

Faserarmierung unlösliches Verdickungsmittel Trägerstoff

- soft, elastic single fibres
- inert
- differences between the various qualities

in used raw materials

in fibre length

in fibre thickness

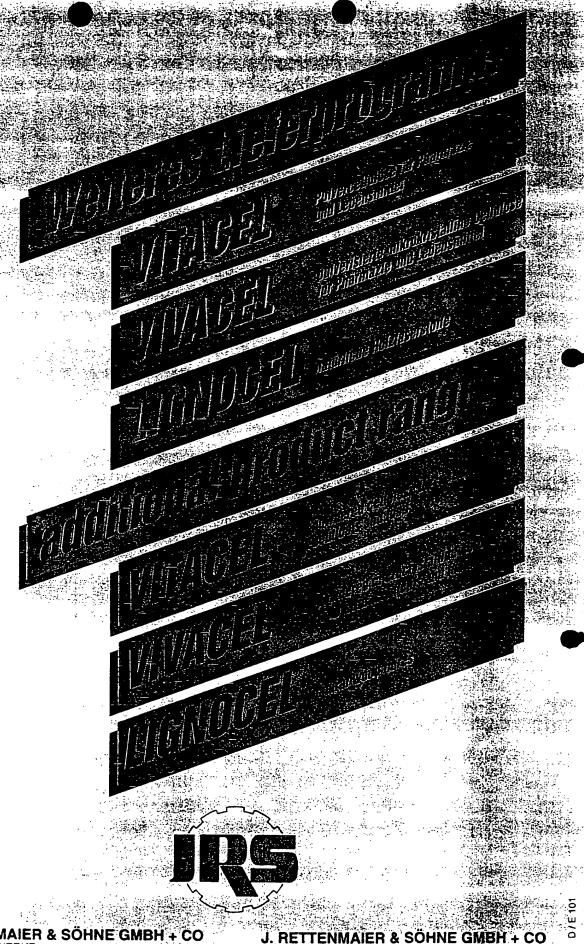
in purity

- insoluble in water and organic solvents
- *density:* 1.5 q.cm²
- compound density approx. 1.1 1.3 g/cm²
- thermal stability to approx. 180° C
- equilibrium moisture content ica. 10 12 % at 2010 and ca. 55% ref. numidity
- hydrophil
- lipophil
- function:

thickening and reinforcing liquid absorption 2 - 7 times of own weight

applications:

fibre reinforcement insoluble thickening material carrier material



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